

THE SEQUOIA

BARK

SEQUOIA & KINGS CANYON
NATIONAL PARKS, CALIF.

VOL. SEVEN NO. 6

AUG. 6-20, 1980

Para aquellos visitantes que no estan familiarizadas con el ingles hay un folleto en espanol disponible en los Centros de Visitas de los Pargues.

Um es deutschen Besuchern, die die englische Sprache nicht kennen, einfacher zu machen, sind Broshuren in der deutschen Sprache im Park besucher zentrum erhaltlich.

LOGGER'S DREAM

By Pamela Clarke

A logger's dream, a single tree so large it contains more board feet than a whole acre of northern pine forest, was a thought which triggered the destruction of approximately 20 percent of the giant sequoias in the United States.

During the late 1880s and the early 1890s, lumber entrepreneurs ravaged land and left us with a scene which serves as a potent reminder of man's fearful power in disrupting his natural environment.

The park visitor may see the evidence of the only full-scale logging ever attempted on the giant sequoia at the Big Stump and Converse basins, located in the Kings Canyon National Park.

The giant sequoia had escaped popularity prior to the early 1850s, but as the big-tree story trickled down from the Sierra mining communities, businessmen began scheming their "get-rich-quick" plans.

As early as 1853, some of the finest specimens were sacrificed to the practice of cutting the trees for exhibition in the East. Among these trees were the Centennial, the Mark Twain and the General Noble trees.

Although the loss of these

few trees was regrettable, it was only a fraction of the tragedy that was to befall the giant sequoias.

The first logging was attempted in the rugged Sierra Nevada in 1856. Despite the difficulties in felling a tree of its size and transporting the timber to its market in the valley, a number of small mills were established.

One of the earlier mills, located in the Big Stump Basin, was built by Smith Comstock in 1883. Many large sequoias were cut during its six years of operation.

At first, the mills served local markets only, but with the completion of the Southern Pacific Railroad through the San Joaquin Valley, new markets became available.

Even for the most experienced logging engineers, felling a sequoia posed problems. But the problems were challenges which daunted few and encouraged many.

The logger's ingenuity rose to the occasion as they devised complicated techniques for producing sequoia timber.

As the dry, fine-grained wood came crashing to the ground, it often broke into hundreds of pieces. This shattering caused waste in excess of 75 percent of individual trees.

Consequently, the small bits of wood were converted into such plebeian items as fence posts, grape stakes, shingles, novelties and patio furniture.

In order to minimize the great waste, featherbeds were sometimes prepared. A trench was dug and small trees and branches were laid across to break the fall of the big trees.

It seemed no obstacle was too large for the greedy to tackle. Unethical and illegal practices were used in obtaining valuable land.

When California achieved statehood in 1850, most of the land, including millions of forest acres, was in possession of the federal government. The government land was open to claim by any citizen under certain rules and conditions.

Eastern timber barons lost no time in taking advantage of the lenient public land laws, in order to gain possession of the forest land.

It was the violation of these laws which gave rise to the Kings River Lumber Company, the largest logging operation in the Sierra of its time.

As resentment grew

(continued
on page 7)



BIG STUMP BASIN (photo courtesy of NPS)

CONTEST RESULTS

Results of the eighth annual Parks Photo Contest will be announced at the Lodgepole Campground Amphitheater on Monday, August 18, at 8:00 p.m.

Park visitors and employees are invited to the awards ceremony where all entries will be shown.

Repeated public showings will be held at the Grant Grove Amphitheater on Tuesday evening, August 19, and at the Cedar Grove Amphitheater the following evening.

Categories for the competition will be: giant sequoias, Sierra scenery, flowers, water, animals, changing seasons, fire, people in Sequoia and Kings Canyon, and photographs of other national parks.

Distinguished judges for this year's contest will

include a representative from Kodak and Jerry Hixon, president of the Selma Camera Club.

This nature photography contest is open to all park residents and their families and is one of the oldest

community activities in these parks.

Founded in 1973 by Government Services Inc., it continues to provide an opportunity for in-park photographers of all interests to share their best work.

STORE IT RIGHT

You have entered into the natural habitat of the American black bear. In order to safeguard your belongings and to keep from disturbing the bear's way of life, certain precautions should be practiced.

Keep a clean camp, day and night. All trash should be placed in bear-proof garbage cans, provided by the park, immediately.

All food should be stored in your trunk or placed low in the car and covered. Lodge guests would be wise to bring all food inside their rooms.

The Sequoia Bark

Published for park visitors by the Sequoia Natural History Association and the Sequoia and Kings Canyon Hospitality Service. The Sequoia Natural History Association is a non-profit educational organization dedicated to securing and

presenting authentic information on the natural and human history of Sequoia and Kings Canyon National Parks in cooperation with the National Park Service.

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Three Rivers,
California 92371

Pamela Clarke, Editor



Hop out of your shell and explore Sequoia and Kings Canyon National Park.

(photo by Pamela Clarke)

WHAT'S HAPPENING . . .

GIANT FOREST — LODGEPOLE — DORST



THIS SYMBOL IDENTIFIES ACTIVITIES AVAILABLE TO THE HANDICAPPED.

INFORMATION

LODGEPOLE VISITOR CENTER: Open daily 8:00 a.m. to 8:00 p.m. Uniformed personnel on duty to answer your questions. Wilderness permit desk open daily 7:00 a.m. to 8:00 p.m. Campground reservation desk open daily 10:00 a.m. to 9:00 p.m. Telephone (209) 565-3338. Campground reservations may not be made via telephone. Exhibits, publications and maps. Visitor Center telephone (209) 565-3364.

ACTIVITIES

DAILY:

3:30 a.m. TOKOPAH FALLS. Explore the beautiful Tokopah Valley and learn the glacial story of the high Sierra. Meet at the Lodgepole Market. 4 hours; 4 miles.
9:30 a.m. and 2:00 p.m. CONGRESS TRAIL. Stroll with a ranger through the world's finest sequoia grove. Meet at the General Sherman Tree. 2½ hours; 2 miles.
10:00 a.m.-3:00 p.m. CRYSTAL CAVE TOURS. Descend beneath the surface of the earth and discover the natural wonders of this marble cavern. Ranger-guided tours begin at the cave entrance each half hour between 10:00 a.m. and 11:30 a.m., and again from 12:30 p.m. until 3:00 p.m. Fifty cents entrance fee. 50-degree temperature within cave. The cave is located 13 miles west of Lodgepole at the end of the Crystal Cave Road. A one-half-mile trail connects the cave to the parking area. Allow one hour to get from Lodgepole to the cave entrance.

WEDNESDAY, AUGUST 6

8:30 a.m. TOKOPAH FALLS.
9:30 a.m. LODGEPOLE CHILDREN'S WALK. Involve your children in the wonders of nature. Suitable for children from ages 7 through 11. Meet at the Lodgepole Visitor Center. 1½ hours, 1 mile.
9:30 a.m. DORST NATURE WALK. Discover the natural system that shaped life in a fir forest. Meet at the Dorst Amphitheater parking area. 2 hours, 1 mile.
9:30 a.m. CONGRESS TRAIL.
10:00 a.m.-3:00 p.m. CRYSTAL CAVE.
1:00 p.m. ESTHETIC APPRECIATION WALK. Join Park Artist Terece Lewis at the Lodgepole Market and share her perceptions of the beauties in the park. (No artistic ability required.) 2 hours, 1 mile.
1:30 p.m. TO THE WASHINGTON. Seek out the seldom-visited heart of the Giant Forest and discover the mighty Washington Tree. Meet at the Round Meadow parking area. 3½ hours, 3 miles.
2:00 p.m. BACKPACK DEMONSTRATION. Learn the dos and don'ts of wilderness travel. Meet at the Lodgepole Visitor Center. 2 hours.
2:00 p.m. CONGRESS TRAIL.
8:15 p.m. LODGEPOLE EVENING PROGRAM. See the life of Sierra's pioneer naturalist come alive as Ranger Margaret Kelley presents "John Muir's Legacy." Recorded interpretation by Carl Sharsmith. Meet at the Lodgepole Campground Amphitheater.
8:15 p.m. GIANT FOREST LODGE EVENING PROGRAM. Take a look at the relationship of man and the wildlife of Sequoia National Park. Ranger Nancy Chow will present the "Peaceable Kingdom" at the Lodge Amphitheater, adjacent to the dining room.
8:15 p.m. DORST EVENING PROGRAM. Discover the excitement of visiting other national parks as Ranger Dave Thomson tells of "Nature's Heritage." Meet at the Dorst Campground Amphitheater.

THURSDAY, AUGUST 7

8:30 a.m. TOKOPAH FALLS.
9:00 a.m. GEOLOGY WALK. Listen to the story the rocks tell about the origins of the Sierra Nevada. Meet at the Round Meadow parking area for this easy stroll. 3 hours, 1-2 miles.
9:00 a.m. SOLDIERS' TRAIL HIKE. Explore the fascinating relationship between the giant sequoias and natural fire on this moderately strenuous forest hike. Meet at the Round Meadow parking area. 4 hours, 4 miles.
9:30 a.m. CONGRESS TRAIL.
10:00 a.m.-3:00 p.m. CRYSTAL CAVE.
2:00 p.m. CONGRESS TRAIL.
2:30 p.m. LODGEPOLE CHILDREN'S WALK. Involve your children in the wonders of nature. Suitable for children from ages 7 through 11. Meet at the Lodgepole Visitor Center. 1½ hours, 1 mile.
6:00 p.m. HOT DOGS AND TALES. Build a fire, eat a hot dog, sing a song and watch the sunset as you listen to the words of an early-day's Sierra Club Woman, portrayed by Ranger Margaret Kelley. Bring hot dogs, fixings, drinks, jackets and flashlights. Meet at the Muir Grove trailhead at Dorst Campground. 3 hours, 1 mile.

8:00 p.m. LODGEPOLE EVENING PROGRAM. Take an intimate look at some of the interesting natural features of Sequoia National Park as Ranger Elizabeth Carpenter presents "On the Loose." Meet at the Lodgepole Campground Amphitheater.

8:00 p.m. GIANT FOREST LODGE EVENING PROGRAM. Learn the life cycle and ecology of the "Incomparable Giants" of the Sierra Nevada. Join Ranger Jim Carpenter at the Lodge Amphitheater, adjacent to the dining room.

8:30 p.m. STAR TALK. Gaze at the stars and ponder the mysteries of the universe. Meet at the Wolverton parking area. 1 hour.

FRIDAY, AUGUST 8

8:30 a.m. TOKOPAH FALLS.
9:00 a.m. PHOTO TALK. Listen as a Kodak representative explains the basics of nature photography. Meet at the Lodgepole Campground Amphitheater. 1 hour.
9:00 a.m. DORST CREEK ADVENTURE. Explore upper Dorst Creek reached by a dim trail. Bring a lunch and enjoy a streamside meal. Meet at Dorst Campground Entrance Keosk. 4 hours, 3 miles.
9:30 a.m. LODGEPOLE CHILDREN'S WALK. Involve your children in the wonders of nature. Suitable for children from ages 7 through 11. Meet at the Lodgepole Visitor Center. 1½ hours, 1 mile.
9:30 a.m. CONGRESS TRAIL.
10:00 a.m.-3:00 p.m. CRYSTAL CAVE.
2:00 p.m. BACKPACK DEMONSTRATION. Learn the dos and don'ts of wilderness travel. Meet at the Lodgepole Visitor Center. 2 hours.
2:00 p.m. HAZELWOOD. Stroll through a dense grove of giant sequoia and learn of human efforts to preserve those unique trees. Meet at the Round Meadow parking area. 2 hours, 1 mile.
2:00 p.m. CONGRESS TRAIL.
8:00 p.m. LODGEPOLE EVENING PROGRAM. Discover what draws people to the high country when Ranger Harold Basey presents "Wilderness Values." Meet at the Lodgepole Campground Amphitheater.
8:00 p.m. GIANT FOREST LODGE EVENING PROGRAM. Find your place in space as Ranger Margaret Kelley presents "You're a Piece of the Sun." Meet at the Lodge Amphitheater, adjacent to the dining room.
8:00 p.m. DORST EVENING PROGRAM. Enjoy the speciality program, "An Awareness in Pictures," by the Kodak representative. Meet at the Dorst Campground Amphitheater.

SATURDAY, AUGUST 9

8:30 a.m. TOKOPAH FALLS.
9:00 a.m. SOLDIERS' TRAIL HIKE. Explore the fascinating relationship between the giant sequoias and natural fire on this moderately strenuous forest hike. Meet at the Round Meadow parking area. 4 hours, 4 miles.
9:30 a.m. CRESCENT MEADOW. Visit one of the meadows that gave the Giant Forest its distinct character and learn the meadow story. Meet at the Crescent Meadow parking area. 3 hours, 2-3 miles.
9:30 a.m. LODGEPOLE CHILDREN'S WALK. Involve your children in the wonders of nature. Suitable for children from ages 7 through 11. Meet at the Lodgepole Visitor Center. 1½ hours, 1 mile.
9:30 a.m. CONGRESS TRAIL.
10:00 a.m.-3:00 p.m. CRYSTAL CAVE.
10:00 a.m. MAP READING AND TRAIL FINDING. Learn the use of topographic maps to find your way in the wilderness. Meet at the Muir Grove trailhead in Dorst Campground. 2 hours, ½ mile.
10:00 a.m. COFFEE AND CONVERSATION. Enjoy a morning cup of coffee as you visit with Dave Parsons, research scientist, and a concession representative. Meet Ranger Norm Allen at the Giant Forest Lodge Amphitheater. Coffee, tea and cocoa provided. 2 hours.
1:30 p.m. TO THE WASHINGTON. Seek out the seldom-visited heart of the Giant Forest and discover the mighty Washington Tree. Meet at the Round Meadow parking area. 3½ hours, 3 miles.
2:00 p.m. BACKPACK DEMONSTRATION. Learn the dos and don'ts of wilderness travel. Meet at the Lodgepole Visitor Center. 2 hours.
2:00 p.m. CONGRESS TRAIL.
3:00 p.m. DORST PHOTO WALK. Learn how to improve your skills in nature photography. Bring your camera. Meet at Muir Grove trailhead in Dorst Campground. 2 hours, ½ mile.
5:00 p.m. SUNSET ROCK. Bring wieners, buns, drinks, marshmallows, flashlights, cameras and jackets. Enjoy an evening of singing and hear James Wolverton, portrayed by Ranger Kenton Horner, tell of his pioneering experiences that led to the naming of the General Sherman Tree. Meet at the Round Meadow parking area. 3 hours, 1½ miles.
8:00 p.m. LODGEPOLE EVENING PROGRAM. Join Ranger Mary-Anne Carlton as she shares high Sierra backpacking adventures in "Walking With the Wind." Meet at the Lodgepole Campground Amphitheater.

8:00 p.m. GIANT FOREST LODGE EVENING PROGRAM. Join Ranger Brian Moss as he simplifies bird identification at the park in "For the Birds." Meet at the Lodge Amphitheater, adjacent to the dining room.

8:00 p.m. DORST EVENING PROGRAM. View the walls of the Grand Canyon from the Colorado River as Ranger Dave Thomson presents "Floating Through Time." Meet at the Dorst Campground Amphitheater.

SUNDAY, AUGUST 10

8:30 a.m. TOKOPAH FALLS.
9:00 a.m. SOLDIERS' TRAIL WALK. Explore the fascinating relationship between the giant sequoias and natural fire on this moderately strenuous forest hike. Meet at the Round Meadow parking area. 4 hours, 4 miles.
9:00 a.m. DORST NATURE WALK. Discover the changes that shape natural systems in a white-fir forest. Meet at Dorst Amphitheater parking area. 2 hours, 1 mile.
9:00 a.m. ALL-DAY SEQUOIA WALK. Bring your lunch and join a ranger for an all-day hike through one of the grandest forests on earth. Meet at the Round Meadow parking area. 6 hours, 5-8 miles.
9:30 a.m. CONGRESS TRAIL.
10:00 a.m. ENERGY WALK. Soak up the sun as you learn about its effect on living things. Meet at the Lodgepole Visitor Center. 2 hours, 1 mile.
10:00 a.m.-3:00 p.m. CRYSTAL CAVE.
1:30 p.m. INDIAN TALK. Visit the site of an abandoned Indian encampment and join Ranger Ken Cottrell as you use almost-forgotten skills to make tools and prepare food. Meet at the Round Meadow parking area. 3 hours, ½ mile.
1:30 p.m. LODGEPOLE CHILDREN'S WALK. Involve your children in the wonders of nature. Suitable for children from ages 7 through 11. Meet at the Lodgepole Visitor Center. 1½ hours, 1 mile.
2:00 p.m. BACKPACK DEMONSTRATION. Learn the dos and don'ts of wilderness travel. Meet at the Lodgepole Visitor Center. 2 hours.
2:00 p.m. CONGRESS TRAIL.
6:30 p.m. SEQUOIA YESTERDAYS. Listen to the adventuresome life of an early-day's Sierra Club Woman, portrayed by Ranger Margaret Kelley. Meet at the Lodgepole Market. 1 hour.
8:00 p.m. LODGEPOLE EVENING PROGRAM. Explore the changing flora and fauna of the Sierra Nevada life zones as Ranger John Jenkins takes you from "Foothills to the High Sierra." Meet at the Lodgepole Campground Amphitheater.
8:00 p.m. GIANT FOREST LODGE EVENING PROGRAM. Delve into the lives of "The Monachi" as Ranger Ken Cottrell talks about the food, weapons and life style of these early Indian residents of Sequoia National Park. Meet at the Lodge Amphitheater, adjacent to the dining room.
8:00 p.m. DORST EVENING PROGRAM. Take a different look at the precious liquid we call water as Ranger Kenton Horner presents "Water in the Sierra." Meet at the Dorst Campground Amphitheater.

MONDAY, AUGUST 11

8:30 a.m. TOKOPAH FALLS.
9:00 a.m. LITTLE BALDY. Hike through a Jeffrey pine and red-fir forest to the top of a granite dome for a spectacular panoramic view of Sequoia National Park. Meet at the Little Baldy Saddle, 6 miles north of Lodgepole on the Generals' Highway. 3½ hours, 3½ miles.
9:00 a.m. CHILDREN'S ADVENTURE PROGRAM. Join Eda Bankie for a young people's adventure in the natural world. Appropriate for children ages 5 through 8. Activities include arts and crafts, story-telling, short hikes and nature games. Children meet at Wolverton parking area. Activity ends at Wolverton. Bring lunch. 5 hours. Sign up by 8/10 at the Lodgepole Visitor Center. Limited to 16 children.
9:30 a.m. CONGRESS TRAIL.
10:00 a.m.-3:00 p.m. CRYSTAL CAVE.
2:00 p.m. BACKPACK DEMONSTRATION. Learn the dos and don'ts of the wilderness travel. Meet at the Lodgepole Visitor Center. 2 hours.
2:00 p.m. GEOLOGY WALK. Listen to the story the rocks tell about the origin of the Sierra Nevada. Meet at the Round Meadow parking area for this easy stroll. 3 hours, 1-2 miles.
2:00 p.m. CONGRESS TRAIL.
8:00 p.m. LODGEPOLE EVENING PROGRAM. Enjoy the speciality program, "An Awareness in Pictures," by the Kodak representative. Meet at the Lodgepole Campground Amphitheater.
8:00 p.m. GIANT FOREST LODGE EVENING PROGRAM. See the story of man in the sequoia region unfold in "A Bit of History." Meet Ranger Bill Tweed at the Lodge Amphitheater, adjacent to the dining room.
8:00 p.m. DORST EVENING PROGRAM. See the interaction of the Sierra's weather and the environment as Ranger Jeff Lee presents "With the Weather." Meet at the Dorst Campground Amphitheater.

GIANT FOREST — LODGEPOLE — DORST

ACTIVITIES (continued)

TUESDAY, AUGUST 12

- 8:30 a.m. **TOKOPAH FALLS.**
- 9:00 a.m. **PHOTO WALK.** Join a professional photographer from Kodak and learn about nature photography. Meet at the Crescent Meadow parking area. 2 hours, 1 mile.
- 9:00 a.m. **VISITING EXPERT.** Learn how animal form affects animal habits and habitats as Steven Shibuya, animal morphologist, gives this special talk. Meet at the Lodgepole Visitor Center. 2½ hours.
- 9:30 a.m. **CONGRESS TRAIL.**
- 10:00 a.m.-3:00 p.m. **CRYSTAL CAVE.**
- 1:00 p.m. **ART WALK.** Join Park Artist Terece Lewis at the Round Meadow parking area and share her perceptions of the beauties in the park. (No artistic ability required.) 2 hours, 1 mile.
- 1:30 p.m. **INDIAN TALK.** Visit the site of an abandoned Indian encampment and join Ranger Ken Cottrell as you use almost-forgotten skills to make tools and prepare food. Meet at the Round Meadow parking area. 3 hours, ½ mile.
- 2:00 p.m. **WOMEN IN THE WILDERNESS.** Compare historical and contemporary perspectives on women's roles in the out-of-doors. Meet at the Lodgepole Visitor Center. 2 hours.
- 2:00 p.m. **VISITING EXPERT.** Learn how animal form affects animal habits and habitats as Steven Shibuya, animal morphologist, gives this special talk. Meet at the Lodgepole Visitor Center. 2½ hours.
- 2:00 p.m. **CONGRESS TRAIL.**
- 2:30 p.m. **FACT 'N' FANTASIES.** Put on your old sneakers, old clothes and bring your sense of wonder as you join Ranger Brett Bankie for a day of fun in the out-of-doors. (Adults only.) Meet at the Lodgepole Visitor Center. 1½ hours, 1 mile.
- 2:30 p.m. **LODGEPOLE CHILDREN'S WALK.** Involve your children in the wonders of nature. Suitable for children from ages 7 through 11. Meet at the Lodgepole Visitor Center. 1½ hours, 1 mile.
- 8:00 p.m. **LODGEPOLE EVENING PROGRAM.** Find out why fire is essential to the giant sequoia as Ranger Brett Bankie presents "Fire Ecology and the Giant Sequoia." Meet at the Lodgepole Campground Amphitheater.
- 8:00 p.m. **GIANT FOREST LODGE EVENING PROGRAM.** Enjoy the speciality program, "An Awareness in Pictures," by a Kodak representative. Meet at the Lodge Amphitheater, adjacent to the dining room.
- 8:00 p.m. **DORST EVENING PROGRAM.** Explore some of the often overlooked plants and animals in the sequoia region. Join Ranger Nancy Muleady as she presents the "Unseen Forest." Meet at the Dorst Campground Amphitheater.

WEDNESDAY, AUGUST 13

- 8:30 a.m. **TOKOPAH FALLS.**
- 9:00 a.m. **CHILDREN'S EXPLORATION PROGRAM.** Join Eda Bankie for a young people's adventure in the natural world. Appropriate for children ages 9 through 12. Activities include nature walks and games, arts and crafts, and outdoor challenges. Children should meet at the Wolverton parking area. Activity ends at Wolverton. Bring lunch. 5 hours. Limited to 16 children. Sign up by 8/12 at the Lodgepole Visitor Center.
- 9:00 a.m. **DORST NATURE WALK.** Discover the changes that shape natural systems in a white-fir forest. Meet at the Dorst Amphitheater parking area. 2 hours, 1 mile.
- 9:00 a.m. **SOLDIERS' TRAIL HIKE.** Explore the fascinating relationship between the giant sequoias and natural fire on this moderately strenuous forest hike. Meet at the Round Meadow parking area. 4 hours, 4 miles.
- 9:30 a.m. **CONGRESS TRAIL.**
- 10:00 a.m.-3:00 p.m. **CRYSTAL CAVE.**
- 1:30 p.m. **TO THE WASHINGTON.** Seek out the seldom-visited heart of the Giant Forest and discover the mighty Washington Tree. Meet at the Round Meadow parking area. 3½ hours, 3 miles.
- 2:00 p.m. **CONGRESS TRAIL.**
- 8:00 p.m. **LODGEPOLE EVENING PROGRAM.** Explore the seldom-seen mammals and a few surprising facts on their life habits. Ranger Mike Cook will present "Wings On High" at the Lodgepole Campground Amphitheater.
- 8:00 p.m. **GIANT FOREST LODGE EVENING PROGRAM.** Observe wildflowers of the changing elevations as Ranger Jim Carpenter presents "Footsteps Into Spring." Meet at the Lodge Amphitheater, adjacent to the dining room.
- 8:00 p.m. **DORST EVENING PROGRAM.** Learn why the giant sequoia has become so big and lives so long as Ranger Dave Thomson presents "Bark, Tannin and Big Trees." Meet at the Dorst Campground Amphitheater.

THURSDAY, AUGUST 14

- 8:30 a.m. **TOKOPAH FALLS.**
- 9:00 a.m. **SOLDIERS' TRAIL HIKE.** Explore the fascinating relationship between the giant sequoias and natural fire on this moderately strenuous forest hike. Meet at the Round Meadow parking area. 4 hours, 4 miles.

- 9:00 a.m. **VISITING EXPERT.** Learn how animal form affects animal habits and habitats as Steven Shibuya, animal morphologist, gives this special talk. Meet at the Lodgepole Visitor Center. 2½ hours.
- 9:30 a.m. **CONGRESS TRAIL.**
- 10:00 a.m.-3:00 p.m. **CRYSTAL CAVE.**
- 1:00 p.m. **ART WALK.** Join Park Artist Terece Lewis at the General Sherman Tree and share her perceptions of the beauties in the park. (No artistic ability required.) 2 hours, 1 mile.
- 2:00 p.m. **VISITING EXPERT.** Learn how animal form affects animal habits and habitats as Steven Shibuya, animal morphologist, gives this special talk. Meet at the Lodgepole Visitor Center. 2½ hours.
- 2:00 p.m. **BACKPACK DEMONSTRATION.** Learn the dos and don'ts of wilderness travel. Meet at the Lodgepole Visitor Center. 2 hours.
- 2:00 p.m. **CONGRESS TRAIL.**
- 6:00 p.m. **HOT DOGS AND TALES.** Build a fire, eat a hot dog, sing a song and watch the sunset as you listen to the words of Shelley Simons, a semi-permanent resident of the Giant Forest, portrayed by Ranger Nancy Muleady. Bring hot dogs, fixings, drinks, jackets and flashlights. Meet at the Muir Grove trailhead at Dorst Campground. 3 hours, 1 mile.
- 8:00 p.m. **LODGEPOLE EVENING PROGRAM.** See the life of Sierra's pioneer naturalist come alive as Ranger Margaret Kelley presents "John Muir's Legacy." Recorded interpretation by Carl Sharsmith. Meet at the Lodgepole Campground Amphitheater.
- 8:00 p.m. **GIANT FOREST LODGE EVENING PROGRAM.** Take an intimate look at some of the interesting natural features of the park as Ranger Elizabeth Carpenter presents "On the Loose." Meet at the Lodge Amphitheater, adjacent to the dining room.

FRIDAY, AUGUST 15

- 8:30 a.m. **TOKOPAH FALLS.**
- 9:00 a.m. **PHOTO TALK.** Listen as a Kodak representative explains the basics of nature photography. Meet at the Lodgepole Campground Amphitheater. 1 hour.
- 9:00 a.m. **WILDLIFE WALK.** Join Ranger Harold Basey for a field exploration of Sierran wildlife and field techniques. Bring lunch. Meet at the Lodgepole Market. 5 hours, 3 miles.
- 9:00 a.m. **DORST CREEK ADVENTURE.** Explore upper Dorst Creek reached by a dim trail. Bring a lunch and enjoy a streamside meal. Meet at the Dorst Campground Entrance Kiosk. 4 hours, 3 miles.
- 9:30 a.m. **CONGRESS TRAIL.**
- 10:00 a.m.-3:00 p.m. **CRYSTAL CAVE.**
- 2:00 p.m. **CONGRESS TRAIL.**
- 8:00 p.m. **LODGEPOLE EVENING PROGRAM.** Explore some of the often overlooked plants and animals in the sequoia region. Join Ranger Nancy Muleady when she presents "The Unseen Forest." Meet at the Lodgepole Campground Amphitheater.
- 8:00 p.m. **GIANT FOREST LODGE EVENING PROGRAM.** Take a look at the relationship of man and the wildlife of the park as Ranger Nancy Chow presents the "Peaceable Kingdom." Meet at the Lodge Amphitheater, adjacent to the dining room.
- 8:00 p.m. **DORST EVENING PROGRAM.** Enjoy the speciality program, "An Awareness in Pictures," by a Kodak representative. Meet at the Dorst Campground Amphitheater.

SATURDAY, AUGUST 16

- 8:30 a.m. **TOKOPAH FALLS.**
- 9:30 a.m. **CONGRESS TRAIL.**
- 10:00 a.m.-3:00 p.m. **CRYSTAL CAVE.**
- 10:00 a.m. **COFFEE AND CONVERSATION.** Enjoy a morning cup of coffee as you visit with Bob Smith, chief park ranger, and a concession representative. Meet Ranger Norm Allen at the Giant Forest Lodge Amphitheater. Coffee, tea and cocoa provided. 2 hours.
- 10:00 a.m. **MAP READING AND TRAIL FINDING.** Learn the use of topographic maps to find your way in the wilderness. Meet at the Muir Grove trailhead in Dorst Campground. 2 hours, ½ mile.
- 1:00 p.m. **ART WALK.** Join Park Artist Terece Lewis at the Lodgepole Market and share her perceptions of the beauties in the park. (No artistic ability required.) 2 hours, 1 mile.
- 1:30 p.m. **TO THE WASHINGTON.** Seek out the seldom-visited heart of the Giant Forest and discover the mighty Washington Tree. Meet at the Round Meadow parking area. 3½ hours, 3 miles.
- 1:30 p.m. **LODGEPOLE CHILDREN'S WALK.** Involve your children in the wonders of nature. Suitable for children from ages 7 through 11. Meet at the Lodgepole Visitor Center. 2½ hours, 1 mile.
- 2:00 p.m. **BACKPACK DEMONSTRATION.** Learn the dos and don'ts of wilderness travel. Meet at the Lodgepole Visitor Center. 2 hours.
- 2:00 p.m. **CONGRESS TRAIL.**
- 3:00 p.m. **DORST PHOTO WALK.** Learn how to improve your skills in nature photography. Bring your camera. Meet at Muir Grove trailhead in Dorst Campground. 2 hours, ½ mile.
- 6:30 p.m. **SEQUOIA YESTERDAYS.** Learn first-hand the story of the ill-fated Kaweah Colony, which attempted to claim and log the Sequoia National Park region in the 1880s. (Dramatization) Meet at the Lodgepole Market. 1 hour.

- 8:00 p.m. **LODGEPOLE EVENING PROGRAM.** Explore the interesting observations made along trails as Ranger Kenton Horner presents "Tales Along the Trails." Meet at the Lodgepole Campground Amphitheater.
- 8:00 p.m. **GIANT FOREST LODGE EVENING PROGRAM.** See the many moods of the park as Ranger Margaret Kelley presents "Through the Seasons." Meet at the Lodge Amphitheater, adjacent to the dining room.
- 8:00 p.m. **DORST EVENING PROGRAM.** Relive family experiences with Ranger Dave Thomson as he follows the "High Sierra Trail." Meet at the Dorst Campground Amphitheater.

SUNDAY, AUGUST 17

- 8:30 a.m. **TOKOPAH FALLS.**
- 9:00 a.m. **ALL-DAY SEQUOIA WALK.** Bring your lunch and join the ranger for an all-day hike through one of the grandest forests on earth. Meet at the Round Meadow parking area. 6 hours, 5-8 miles.
- 9:00 a.m. **DORST NATURE WALK.** Discover the changes that shape natural systems in a white-fir forest. Meet at Dorst Amphitheater parking area. 2 hours, 1 mile.
- 9:30 a.m. **CONGRESS TRAIL.**
- 10:00 a.m.-3:00 p.m. **CRYSTAL CAVE.**
- 2:00 p.m. **CONGRESS TRAIL.**
- 8:00 p.m. **LODGEPOLE EVENING PROGRAM.** Find out how life in the Sierra Nevada is powered by the sun as Ranger Armando Quintero presents "From Sunbeam to Sunbeam." Meet at the Lodgepole Campground Amphitheater.
- 8:00 p.m. **GIANT FOREST LODGE EVENING PROGRAM.** Learn the life cycle and ecology of the "Incomparable Giants" of the Sierra Nevada. Join Ranger Jim Carpenter at the Lodge Amphitheater, adjacent to the dining room.
- 8:00 p.m. **DORST EVENING PROGRAM.** Explore the changing flora and fauna of Sierra Nevada life zones as Ranger John Jenkins takes you from "Sierra Lowlands to Highlands." Meet at the Dorst Campground Amphitheater.

MONDAY, AUGUST 18

- 8:30 a.m. **TOKOPAH FALLS.**
- 9:30 a.m. **CONGRESS TRAIL.**
- 9:30 a.m. **MINIWALK.** Join your children as you see their observation powers and sensory awareness of nature increase. Suitable for ages 3 to 6. Tennis shoes recommended. Meet at the Lodgepole Market. 1½ hours, ½ mile.
- 9:30 a.m. **CHILDREN'S RAMBLE.** Experience the natural wonders of the forest and stream. Suitable for children ages 7 through 11. Tennis shoes recommended. Meet at the Lodgepole Market. 1½ hours, 1 mile.
- 10:00 a.m. **ENERGY WALK.** Soak up the sun while you learn about its effect on living things. Meet at the Lodgepole Visitor Center. 2 hours, 1 mile.
- 10:00 a.m. **GEOLOGY WALK.** Listen to the story the rocks tell about the origin of the Sierra Nevada. Meet at the Round Meadow parking area for this easy stroll. 3 hours, 1-2 miles.
- 10:00 a.m.-3:00 p.m. **CRYSTAL CAVE.**
- 2:00 p.m. **BACKPACK DEMONSTRATION.** Learn the dos and don'ts of wilderness travel. Meet at the Lodgepole Visitor Center. 2 hours.
- 2:00 p.m. **CONGRESS TRAIL.**

8:00 p.m. **LODGEPOLE EVENING PROGRAM.** "Eighth Annual Parks Photo Contest." Prize photos, submitted by park and concession employees, will be featured. Meet at the Lodgepole Campground Amphitheater.

- 8:00 p.m. **GIANT FOREST LODGE EVENING PROGRAM.** Learn the glacial story of the Sierra when Ranger Jack Stitt presents "Rocks, Glaciers and Running Water." Meet at the Lodge Amphitheater, adjacent to the dining room.
- 8:00 p.m. **DORST EVENING PROGRAM.** See the interaction of Sierra's weather and environment as Ranger Jeff Lee presents "With the Weather." Meet at the Dorst Campground Amphitheater.

TUESDAY, AUGUST 19

- 8:30 a.m. **TOKOPAH FALLS.**
- 9:00 a.m. **PHOTO WALK.** Join a professional photographer from Kodak and learn about nature photography. Meet at the Crescent Meadow parking area. 2 hours, 1 mile.
- 9:00 a.m. **WILDLIFE WALK.** Join Ranger Harold Basey for a field exploration of Sierran wildlife and field techniques. Bring lunch. Meet at the Lodgepole Market. 5 hours, 3 miles.
- 9:00 a.m. **SOLDIERS' TRAIL HIKE.** Explore the fascinating relationship between the giant sequoias and natural fire on this moderately strenuous forest hike. Meet at the Round Meadow parking area. 4 hours, 4 miles.
- 9:30 a.m. **CONGRESS TRAIL.**
- 10:00 a.m.-3:00 p.m. **CRYSTAL CAVE.**
- 2:00 p.m. **BACKPACK DEMONSTRATION.** Learn the dos and don'ts of wilderness travel. Meet at the Lodgepole Visitor Center. 2 hours.
- 2:00 p.m. **WOMEN IN WILDERNESS.** Compare historical

What's happening . . . Sequoia National Park

GIANT FOREST — LODGEPOLE — DORST

ACTIVITIES (continued)

- and contemporary perspectives on women's roles in the out-of-doors. Men welcome. Meet at the Lodgepole Visitor Center. 2 hours.
- 2:00 p.m. CONGRESS TRAIL.**
- 8:00 p.m. LODGEPOLE EVENING PROGRAM.** See the interaction of Sierra's weather and environment as Ranger Jeff Lee presents "With the Weather." Meet at the Lodgepole Campground Amphitheater.
- 8:00 p.m. GIANT FOREST LODGE EVENING PROGRAM.** Enjoy the specialty program, "An Awareness in Pictures," by a Kodak representative. Meet at the Lodge Amphitheater, adjacent to the dining room.
- 8:00 p.m. DORST EVENING PROGRAM.** Join Ranger Brian Moss as he simplifies bird identification at the park in "For the Birds." Meet at the Dorst Campground Amphitheater.

WEDNESDAY, AUGUST 20

- 8:30 a.m. TOKOPAH FALLS.**
- 9:00 a.m. CHILDREN'S ADVENTURE PROGRAM.** Join Eda Bankie for a young people's adventure in the natural world. Appropriate for children ages 5 through 8. Activities include arts and crafts, story-telling, short hikes and nature games. Children should meet at the Wolverton parking area. Activity ends at Wolverton. Bring lunch. 5 hours. Limited to 16 children. Sign up at the Lodgepole Visitor Center by 8/19.
- 9:30 a.m. CONGRESS TRAIL.**
- 10:00 a.m. VISITING EXPERT.** Enjoy a special slide show and discussion of Sierran geology by Bruce Rogers of the U.S. Geological Survey. Meet at the Lodgepole Visitor Center. 2 hours.
- 10:00 a.m.-3:00 p.m. CRYSTAL CAVE.**
- 1:00 p.m. ART WALK.** Join Park Artist Terece Lewis at the Muir Grove trailhead at Dorst Campground and share her perceptions of the beauties at the park. (No artistic ability required.) 2 hours, 1 mile.

1:30 p.m. INDIAN TALK. Visit the site of an abandoned Indian encampment and join Ranger Ken Cottrell as you use almost-forgotten skills to make tools and prepare food. Meet at the Round Meadow parking area. 3 hours, 1/2 mile.

2:00 p.m. CONGRESS TRAIL.

8:00 p.m. LODGEPOLE EVENING PROGRAM. Relax beneath the stars as Ranger Vaughn Folkman presents "Tooth, Fang and Claw." Meet at the Lodgepole Campground Amphitheater.

8:00 p.m. GIANT FOREST LODGE EVENING PROGRAM. Delve into the lives of "The Monachi" as Ranger Ken Cottrell talks about the food, weapons and life styles of these early Indian residents of the sequoia region. Meet at the Lodge Amphitheater, adjacent to the dining room.

8:00 p.m. DORST EVENING PROGRAM. Find out why fire is essential to the giant sequoia as Ranger Brett Bankie presents "Fire Ecology and the Giant Sequoia." Meet at the Dorst Campground Amphitheater.

MINERAL KING AREA



THIS SYMBOL IDENTIFIES ACTIVITIES AVAILABLE TO THE HANDICAPPED.

INFORMATION

MINERAL KING RANGER STATION: Information, wilderness permits, books, and maps. First Aid. Telephone Mineral King Number 1.

ACTIVITIES

WEDNESDAY, AUGUST 6

- 1:00 p.m. GONE BUT NOT FORGOTTEN.** Drift back through time to relive the heyday of Mineral King. Meet at the ranger station for this easy walk which explores the human stories of Mineral King. 2 hours, 2 miles.
- 8:00 p.m. MINERAL KING CAMPFIRE.** Join Ranger Nancy Fuller for a fireside talk about Mineral King. The Mineral King Campfire Circle is adjacent to the ranger station. Bring marshmallows. 1 hour.

THURSDAY, AUGUST 7

- 8:00 a.m. CRYSTAL LAKE.** Visit one of Mineral King's least-visited lakes, explore the ruins of the old Chihuahua Mine, and see one of the Sierra's grandest geological displays. Meet at the ranger station for this very strenuous hike. We will form car pools for travel to the trailhead. Bring lunch and water. 7 hours, 8 miles.

FRIDAY, AUGUST 8

- 1:00 p.m. SILVER!** Trace the search for the precious metals of Mineral King and the history of the searchers. Meet at the ranger station for this easy walk. 2 hours, 2 miles.
- 8:00 p.m. MINERAL KING CAMPFIRE.** Join Ranger Marlene Butler for a fireside talk about the natural history of Mineral King. The Mineral King Campfire Circle is adjacent to the ranger station. Bring marshmallows. 1 hour.

Changing Times

By Marlene Butler

The workings of the postal service were recently gummed up by a fine volcanic ash being sent through the mail. The powdery ash was produced during eruptions at Mount Saint Helens in Washington. Some geologists were so impressed by this current event that they jeopardized their lives in order to observe the volcano's activity. "Why?" one might ask.

No one can answer for these people. However, John Muir writes of the urge to experience a

mountain-making event and thus explains a possible motive, the search for knowledge.

In Sequoia National Park few visitors to Crystal Cave heralded the quakes as "noble" either. Although experiencing the tremors while touring the cavern gave them a rare subterranean perspective on the event. The marble walls pulsated with deep rumbling sounds. The sturdy cave decorations escaped any visible damage.

Hopefully, those present on the cave tours during

SATURDAY, AUGUST 9

- 1:00 p.m. ASPEN FLAT.** Explore the friendly meadows and vistas of upper Mineral King Valley. Visit a soda spring. Meet at the ranger station for this easy walk. We will form car pools to travel to the trailhead. 3 hours, 3 miles.
- 8:00 p.m. MINERAL KING CAMPFIRE.** Meet a silver miner who participated in Mineral King's historic silver rush, and hear of the excitement of early days in Mineral King. (Dramatic presentation.) The Mineral King Campfire Circle is adjacent to the ranger station. Bring marshmallows. 1 hour.

SUNDAY, AUGUST 10

- 1:00 p.m. WILDFLOWERS!** Explore the wildflower beauty of Mineral King. Meet at the ranger station for this easy guided walk. 2 hours, 2 miles.
- 8:00 p.m. MINERAL KING CAMPFIRE.** Join park Ranger Marlene Butler for a fireside talk about the natural history of Mineral King. The Mineral King Campfire Circle is adjacent to the ranger station. Bring marshmallows. 1 hour.

MONDAY, AUGUST 11

- 1:00 p.m. GONE BUT NOT FORGOTTEN.** Drift back through time to relive the heyday of Mineral King. Meet at the ranger station for this easy walk which explores the human stories of Mineral King. 2 hours, 2 miles.
- 8:00 p.m. MINERAL KING CAMPFIRE.** Join Ranger John Satnat for a fireside talk about the bears of Mineral King. The Mineral King Campfire Circle is adjacent to the ranger station. Bring marshmallows. 1 hour.

TUESDAY, AUGUST 12

No activities.

WEDNESDAY, AUGUST 13

- 1:00 p.m. LET'S TALK GEOLOGY.** Discover the fascinating story of Mineral King's rocks. Meet at the ranger station for this easy stroll. 2 hours, 1/2 mile.
- 8:00 p.m. MINERAL KING CAMPFIRE.** Join Ranger Nancy Fuller for a fireside talk about the marmots of Mineral King. The Mineral King Campfire Circle is adjacent to the ranger station. Bring marshmallows. 1 hour.

THURSDAY, AUGUST 14

- 9:00 a.m. MONARCH LAKES.** Hike up to the beautiful Monarch Lakes and enjoy the marvelous alpine scenery. Meet at the ranger station for this strenuous hike. Bring lunch. We will form car pools to travel to the trailhead. 7 hours, 9 miles.

FRIDAY, AUGUST 15

- 1:00 p.m. WE ARE NOT THE FIRST.** Look for traces of Mineral King's first visitors. Meet at the ranger station for this easy guided walk. 2 hours, 2 miles.
- 8:00 p.m. MINERAL KING CAMPFIRE.** Join Ranger John Satnat for a fireside talk about Mineral King. The Mineral King Campfire Circle is adjacent to the ranger station. Bring marshmallows. 1 hour.

the recent earthquakes were not simply frightened but a little glad also, as was John Muir back in 1872.

Witnessing the eruptions at Mount Saint Helens or feeling the mountains move are epoch events.

We live in a time of geologic stress and mountain making. Through knowledge gained during these storms of violent change, we see that our mountains of everlasting beauty are everchanging.



SATURDAY, AUGUST 16

- 1:00 p.m. HOME SWEET HOME.** Kids under 12. Join the ranger and go exploring for animal homes. Bring your curiosity and be prepared for some surprises.
- 8:00 p.m. MINERAL KING CAMPFIRE.** Relive turn-of-the-century times in Mineral King as Ranger Marlene Butler portrays a Mineral King summer resident of 1910. (Dramatic presentation.) The Mineral King Campfire Circle is adjacent to the ranger station. Bring marshmallows. 1 hour.

SUNDAY, AUGUST 17

- 1:00 p.m. WHAT IT'S ALL ABOUT.** Introduce yourself to the beauties of Mineral King. Meet at the ranger station for this easy guided walk which explores the natural and human stories that have made Mineral King the place it is today. 2 hours, 2 miles.
- 8:00 p.m. MINERAL KING CAMPFIRE.** Join Ranger Nancy Fuller for a fireside talk about the night creatures of Mineral King. The Mineral King Campfire Circle is adjacent to the ranger station. Bring marshmallows. 1 hour.

MONDAY, AUGUST 18

- 1:00 p.m. WILDFLOWERS!** Explore the wildflower beauty of Mineral King. Meet at the ranger station for this easy guided walk. 2 hours, 2 miles.
- 8:00 p.m. MINERAL KING CAMPFIRE.** Join Ranger Marlene Butler for a fireside talk about the geology of Mineral King. The Mineral King Campfire Circle is adjacent to the ranger station. Bring marshmallows. 1 hour.

TUESDAY, AUGUST 19

- 9:00 a.m. VISITING EXPERT.** Join visiting speleologist, Bruce Rogers, and hike to White Chief to explore caves. Hear the story of Mineral King's geology. Bring lunch. Meet at the ranger station. We will form car pools to travel to the trailhead. 7 hours, 7 miles.

WEDNESDAY, AUGUST 20

- 1:00 p.m. HERE COMES THE SUN.** Discover just how much we need the sun and use its energy to make a memento of your trip to Mineral King. 2 hours, 1 mile. Meet at the ranger station.
- 8:00 p.m. MINERAL KING CAMPFIRE.** Join Ranger Marlene Butler for a fireside talk about the natural history of Mineral King. The Mineral King Campfire Circle is adjacent to the ranger station. Bring marshmallows. 1 hour.

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What's happening . . . Kings Canyon National Park

GRANT GROVE AREA



THIS SYMBOL IDENTIFIES ACTIVITIES AVAILABLE TO THE HANDICAPPED.

INFORMATION

- GRANT GROVE VISITOR CENTER:** Open daily 8:00 a.m. to 8:00 p.m. Information, exhibits, publications, maps and a free orientation slide program. Telephone (209) 335-2315.

ACTIVITIES

NOTE: All ranger-guided activities, unless otherwise indicated, meet at the Grant Grove Amphitheater parking lot with transportation. To conserve energy car pools will be formed for transportation to trailheads. The parking lot is located in Sunset Campground.

Campfire Program: Evening campfire programs are held each evening at 8:30 in the amphitheater located in Sunset Campground.

Indian Life: Meet and talk with Gladys as she relates stories of Western Mono Indian life daily except Monday and Tuesday. At 10:00 a.m. and 2:00 p.m. Wednesday thru Friday she will discuss village life and structure. Saturdays only at 10:00 a.m. and 2:00 p.m. see an acorn cooking demonstration. Ramada is located near post office.

WEDNESDAY, AUGUST 6

- 10:00 a.m. & 2:00 p.m. **STORIES OF INDIAN LIFE.** Ramada is located adjacent to the post office.
1:00 p.m. **TREES OR TIMBER.** Walk with the ranger and discover the forest's response to logging. 3 hours, 2 miles.
4:10 p.m. **CONCERT UNDER THE TREES.** Enjoy the sounds of classical and light classical music at the Amphitheater.
8:00 p.m. **EVENING CAMPFIRE.** "A Close Look at the Giants." A slide program which discusses the factors affecting the giant sequoias. Amphitheater.

THURSDAY, AUGUST 7

- 9:00 a.m. **ROCKS AND FALLING WATER.** Walk to a mountain stream to enjoy the many sights and sounds of nature. 3 hours, 3 miles.
10:00 a.m. & 2:00 p.m. **STORIES OF INDIAN VILLAGE LIFE.** At ramada adjacent to the post office.
1:00 p.m. **DEAD GIANT MYSTERY.** Step back in time as you walk beside a meadow and over dale to an old mill pond. 2 hours, 1 mile.
2:00 p.m. **BACKPACKING DEMONSTRATION.** Discover the how, what, why and when of backpacking. Visitor Center Auditorium.
3:00 p.m. **MAP AND COMPASS.** Learn the use of topographic maps and compass to find your way in the wilderness.
8:30 p.m. **EVENING CAMPFIRE.** "An Awareness in Pictures." A slide program presented by a Kodak expert with helpful hints for picture taking. Amphitheater.

FRIDAY, AUGUST 8

- 9:00 a.m. **BIG BALDY.** Introduce yourself to new vistas and the complex geology of the Sierras. 3 hours, 3 miles.
10:00 a.m. **STORIES OF INDIAN VILLAGE LIFE.** At ramada adjacent to the post office.
2:00 p.m. **STORIES OF INDIAN VILLAGE LIFE.** Adjacent to post office.
2:00 p.m. **KIDDIE WALK.** Nature Knee High, a walk for the little ones. 1 hour, 1/2 mile. Sign up at the Visitor Center.
8:00 p.m. **EVENING CAMPFIRE.** "A Park For All Seasons." A slide program discussing changes in the park through the year. Amphitheater.

SATURDAY, AUGUST 9

- 9:00 a.m. **SEQUOIAS GALORE.** Walk with the ranger and learn the story of fire in the reproduction of the Big Trees.
10:00 a.m. **ACORN COOKING DEMONSTRATION.** Adjacent to post office.
2:00 p.m. **ACORN COOKING DEMONSTRATION.** Adjacent to post office.
3:00 p.m. **PUPPET SHOW.** Visitor Center Auditorium.
3:00 p.m. **GRANT TREE WALK.** Enjoy another and closer look at the Giants of Grant Grove and discover more of their secrets. 1 hour, 1/4 mile. Meet at Grant Tree parking area.
8:00 p.m. **EVENING PROGRAM.** "Nature's Carousel." A slide program discussing the importance of cycles in the forest environment. Amphitheater.

SUNDAY, AUGUST 10

- 7:30 a.m. **BIRDWALK.** Discover the birds of Grant Grove. 2 hours, 1/2 mile.
10:00 a.m. **STORIES OF INDIAN VILLAGE LIFE.** Adjacent to the post office.

1:00 p.m. **NORTH LOOP TRAIL.** Discover many of the happenings in the Forest Community while walking through a seldom-used portion of Grant Grove. 2 miles. 3 hours.

2:00 p.m. **NATURE THROUGH A CHILD'S EYES.** A walk for children and their parents, incorporating new techniques. Limited enrollment. Sign up at the Visitor Center. 1 hour, 1/2 mile.

2:00 p.m. **STORIES OF INDIAN VILLAGE LIFE.** Adjacent to the post office.

4:10 p.m. **CONCERT UNDER THE TREES.** Enjoy the sounds of your favorite classical and light classical composers at the Amphitheater.

8:00 p.m. **EVENING PROGRAM.** "Wildlife of the Kings Canyon." A slide program discussing the wildlife of the parks. Amphitheater.

MONDAY, AUGUST 11

1:00 p.m. **TRAIL HIKE.** Join the ranger on the search for a trail to the top of the ridge for some scenic vistas and interesting stories about the forest community. 1 1/2 miles, 2 1/2 hours.

2:00 p.m. **LET'S PAINT NATURE.** An activity for young children. Limited enrollment. Sign up at the Visitor Center.

4:10 p.m. **CONCERT UNDER THE TREES.** Enjoy the classics and light classics in a forest surrounding. Amphitheater.

8:00 p.m. **EVENING PROGRAM.** "The Air the Angels Breathe." A slide program using your imagination, our slides and music, to give you a fantasy backpacking experience. Amphitheater.

TUESDAY, AUGUST 12

11:30 a.m. **ARTIST WALK.** The park through the eyes of an artist. 1 hour. Meet at ramada adjacent to post office.

1:00 p.m. **DEAD GIANT MYSTERY.** Follow the ranger over hill and dale to an overlook of an old millpond and learn its story. 1 1/2 miles, 3 hours.

2:00 p.m. **A QUESTION OF QUALITY.** A movie to be shown in the Visitor Center Auditorium.

2:30 p.m. **ARTIST WALK.** The park through the eyes of an artist. 1 hour. Meet at ramada adjacent to post office.

4:00 p.m. **A QUESTION OF QUALITY.** A movie to be shown in the Visitor Center.

4:10 p.m. **CONCERT UNDER THE TREES.** Enjoy your favorite classics and light classics in a forest environment. Amphitheater.

8:00 p.m. **EVENING PROGRAM.** "Igneous & Ice." A slide program discussing the history of the Sierras. Amphitheater.

WEDNESDAY, AUGUST 13

10:00 a.m. **STORIES OF INDIAN VILLAGE LIFE.** Adjacent to the post office.

1:00 p.m. **PANORAMIC VISTAS.** Walk along the ridge with the ranger enjoying many views of the backcountry and learn the story of how the Sierras came to be. 2 miles, 3 hours.

2:00 p.m. **STORIES OF INDIAN VILLAGE LIFE.** Adjacent to the post office.

4:10 p.m. **CONCERT UNDER THE TREES.** Enjoy the classics and light classics in a forest setting. Amphitheater.

8:00 p.m. **EVENING CAMPFIRE.** "A Close Look at the Giants." A slide program discussing plant and animals associated with the Giant Sequoias. Amphitheater.

THURSDAY, AUGUST 14

9:00 a.m. **STREAM, CANYON AND FALLS.** Discover the many interesting facets of forest community life as you travel to a delightful waterfall. 3 miles, 3 hours.

10:00 a.m. **STORIES OF INDIAN VILLAGE LIFE.** Adjacent to the post office.

1:00 p.m. **DEAD GIANT MYSTERY.** Walk with the ranger over hill and dale to an overlook of an old millpond as you discover the solution to the Dead Giant mystery.

2:00 p.m. **STORIES OF INDIAN VILLAGE LIFE.** Adjacent to the post office.

8:00 p.m. **EVENING CAMPFIRE.** "An Awareness in Color." A slide program presented by Kodak with helpful hints about good photography. Amphitheater.

FRIDAY, AUGUST 15

9:00 a.m. **SEQUOIAS GALORE.** Walk through a sequoia grove seldom seen and learn the role of fire in the sequoia life cycle. 2 miles, 3 hours.

10:00 a.m. **STORIES OF INDIAN VILLAGE LIFE.** Adjacent to the post office.

1:00 p.m. **BIG BALDY.** Enjoy a beautiful walk along the ridge as you discover the history of the Sierra Nevadas and enjoy great scenic vistas. 2 miles, 3 hours.

2:00 p.m. **STORIES OF INDIAN VILLAGE LIFE.** Adjacent to the post office.

8:00 p.m. **EVENING CAMPFIRE.** "A Park For All Seasons." A slide program discussing changes in the park throughout the year. Amphitheater.

SATURDAY, AUGUST 16

10:00 a.m. & 2:00 p.m. **GRANT TREE WALK.** Find out more fascinating facts about the giants of Grant Grove while you walk with a ranger. 1 hour, 1/4 mile.

10:00 a.m. & 2:00 p.m. **ACORN COOKING DEMONSTRATION.** Adjacent to post office.

2:00 p.m. **KIDDIE WALK.** A walk just for little ones. 1 hour, 1/2 mile. Sign up in Visitor Center.

3:00 p.m. **PUPPET SHOW.** A program for little ones. 30 minutes. Visitor Center Auditorium.

8:00 p.m. **EVENING PROGRAM.** "Insects Wow!" A slide program discussing the role of insects in the forest community and their effects on man and his culture. Amphitheater.

SUNDAY, AUGUST 17

7:30 a.m. **BIRDWALK.** Learn the birds of Kings Canyon National Park. 1/2 mile, 2 hours.

10:00 a.m. & 3:00 p.m. **GRANT TREE WALK.** Take a walk with a ranger and learn more of the story of the giants. 1 hour, 1/4 mile.

10:00 a.m. **STORIES OF INDIAN VILLAGE LIFE.** Adjacent to the post office.

1:00 p.m. **DEAD GIANT MYSTERY.** Discover with the ranger the secret of the dead giant as you visit an overlook to a millpond of bygone days. 1 1/2 miles, 2 hours.

2:00 p.m. **STORIES OF INDIAN VILLAGE LIFE.** Adjacent to the post office.

4:10 p.m. **CONCERT UNDER THE TREES.** Enjoy the music of the light classics in a forest environment. Amphitheater.

8:00 p.m. **EVENING PROGRAM.** "Fire and the Big Trees." A slide program discussing the role of fire in the sequoia groves of the Sierras. Amphitheater.

MONDAY, AUGUST 18

10:00 a.m. **GRANT TREE WALK.** Walk with the ranger and learn more of the Giants' secrets. 1 hour, 1/4 mile. Meet at the Grant Tree parking area.

1:00 p.m. **DIM TRAIL HIKE.** Discover with the ranger a trail to some scenic vistas and learn about the many facets of the forest community. 2 miles, 2 hours.

2:00 p.m. **LET'S PAINT NATURE.** A "colorful" activity for children. Limited enrollment. Sign up at the Visitor Center. 1 hour.

4:10 p.m. **CONCERT UNDER THE TREES.** Enjoy the music of the classics and light classics in a forest environment. Amphitheater.

8:00 p.m. **EVENING PROGRAM.** "Wildlife of Kings Canyon." A slide show discussing some of the animals of the park. Amphitheater.

TUESDAY, AUGUST 19

9:00 a.m. **SEQUOIAS GALORE.** Walk through a seldom seen sequoia forest and learn the story of fire's role in reproduction of the giants. 2 miles, 3 hours.

11:30 a.m. & 2:30 p.m. **ARTIST WALK.** The park seen through the eyes of an artist. 1 hour. Meet at the ramada adjacent to the post office.

4:10 p.m. **CONCERT UNDER THE TREES.** Enjoy the music of the great composers in a forest environment. Amphitheater.

8:00 p.m. **EVENING CAMPFIRE.** "Annual Park Photo Contest." A program featuring award-winning pictures taken by employees in the park. Amphitheater.

WEDNESDAY, AUGUST 20

10:00 a.m. & 2:00 p.m. **STORIES OF INDIAN VILLAGE LIFE.** At the ramada adjacent to the post office.

1:00 p.m. **TREES OR TIMBER.** Discover with the ranger the forest's response to the logger's ax. 2 miles, 3 hours.

4:10 p.m. **CONCERT UNDER THE TREES.** Enjoy the music of the great composers in a forest environment. Amphitheater.

8:00 p.m. **EVENING CAMPFIRE.** "A Close Look at the Giants." A slide program discussing some of the plants and animals associated with the Giant Sequoias. Amphitheater.

LOST AND CONFUSED

Have you ever been lost? Of course you have!

Everyone has been lost at one time or another in a department store, a parking lot or perhaps in the mountains — a more serious situation.

With six major trailheads, Cedar Grove is a mecca for outdoor enthusiasts. There are plenty of opportunities for the unwary to become lost, injured or both.

Every summer in Kings Canyon, someone gets lost while hiking or seriously injured when climbing on slippery rocks.

Such an occurrence causes grief and worry for the involved family, as well as risk and expense for the ranger.

Fortunately, neither has to happen if some simple precautions are taken.

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What's happening . . . Kings Canyon National Park

CEDAR GROVE AREA



THIS SYMBOL IDENTIFIES ACTIVITIES AVAILABLE TO THE HANDICAPPED.

INFORMATION

CEDAR GROVE RANGER STATION: Open daily 7:00 a.m. to 7:30 p.m. Books, maps, wilderness permits and first aid available. All Cedar Grove wilderness permits must be obtained at the ranger station. Exhibits nearby. Telephone: Cedar Grove No. 6.

ACTIVITIES

WEDNESDAY, AUGUST 6

- 1:00 p.m. FIRE IN THE CANYON.** Explore old and new burned areas with Ranger Glynis Burns and learn fire's role in the natural plan. Meet at the Cedar Grove Amphitheater. 2 hours, 2 miles.
- 2:00 p.m. CLOSE TO THE GROUND.** Ranger Janet Fink leads this nature walk designed especially for children ages 4 to 10, accompanied by an adult. Meet in front of the Cedar Grove Lodge. 2 hours, 1 mile.
- 3:00 p.m. BOOTS AND SADDLES.** Join Ranger Susan Ford on a horseback ride and learn about the role horses played in the history of Kings Canyon. Reservations should be made at the Pack Station. Group size limited. 2 hours.
- 8:00 p.m. EVENING PROGRAM.** "An Awareness Through Pictures." Kodak presents a view of Sequoia and Kings Canyon National Parks through the lens of an experienced camera.

THURSDAY, AUGUST 7

- 9:00 a.m. NATURE'S STOREHOUSE.** Join Ranger Glynis Burns and ascend the Hotel Creek Trail. Learn how the vegetation of the Sierras has provided a valuable resource in food, medicine and artifacts for generations of people. Meet in front of the Cedar Grove Lodge. 3 hours, 2 miles.
- 1:00 p.m. WHEEL AND SPROCKET.** Shed your dependence on the automobile and ride your bicycle to Roaring River Falls and learn about the natural history of Kings Canyon from Ranger Janet Fink. Rental bikes available at Cedar Grove gas station. Meet at Ranger Station. 3 hours, 6 miles.
- 2:00 p.m. NATURE AS DESIGNER.** Join Ranger Amy Eisenberg and develop your artistic talents by sketching the features of Kings Canyon. Meet in front of the Cedar Grove Lodge. 2 hours.
- 7:00 p.m. CANDLES IN THE SKY.** Join Ranger Julie Dreher for a look at the night sky over Cedar Grove. Bring wieners, buns and marshmallows for a cookout. Meet at Roads End. 3 hours, 1 mile.
- 8:00 p.m. EVENING PROGRAM.** "The Magical Black Pot." Enjoy the fascinating history and use of the Dutch Oven from Logan Carter. Cedar Grove Amphitheater.

FRIDAY, AUGUST 8

- 9:00 a.m. IN SEARCH OF.** Ranger Logan Carter will show you how to use a map and compass in finding a "fire" and an "injured hiker." Suited for those 14 years and older. Meet at Roads End. 3 hours.
- 1:00 p.m. BACKPACKING DEMONSTRATION.** Watch and listen as Ranger Scott Isaacson demonstrates the dos and don'ts of backpacking in the high Sierras. Meet at the Cedar Grove Amphitheater. 2 hours.
- 2:00 p.m. FIRE IN THE CANYON.** Explore old and new burned areas with Ranger Janet Fink and learn fire's role in the natural plan. Meet at the Cedar Grove Ranger Station. 2 hours, 2 miles.
- 6:00 p.m. THE ADVENTURESS.** Come and meet Mrs. Bolten Coit Brown for whom Lucy's Foot Pass was named. Listen as she recounts her many adventures over high mountain passes. Meet at Cedar Grove Amphitheater. 1 hour, 1/2 mile.
- 8:30 p.m. EVENING PROGRAM.** "It's Nature's Way of Telling Us." Join Ranger Fawn Bauer and take a look at rare and endangered species and the role they play in our environment. Cedar Grove Amphitheater.

SATURDAY, AUGUST 9

- 9:00 a.m. KANAWYER'S PLACE.** Join Ranger Julie Dreher and search for the remains of an early Kings Canyon settlement in the Kanawyer's Flat area. Meet at Roads End. 2 hours, 1 mile.
- 9:00 a.m. CHILDREN'S ACTIVITY.** Join Ranger Fawn Bauer for 2 hours of activities designed for children ages 4-10. Meet at the Cedar Grove Amphitheater.
- 1:00 p.m. THE DUSTY TRAIL.** Walk with Ranger Logan Carter and learn of the historical importance of the Don Cecil Trail. Meet at Cedar Grove Amphitheater. 3 hours, 2 miles.
- 1:00 p.m. PINE NEEDLE HEAVEN.** Watch as Ranger Glynis Burns demonstrates how to make coiled baskets using pine needles and other natural fibers found in the Sierra. Cedar Grove Amphitheater. 2 hours.
- 6:00 p.m. THE CLIMBER.** Come and meet Norman Clyde, legendary Sierran mountaineer. Listen to the stories of

his numerous first ascents and see why he is a most unusual character. (Dramatization) Meet at the Cedar Grove Amphitheater. 1 hour, 1/2 mile.

- 8:00 p.m. EVENING PROGRAM.** "Living Waters." Relax and enjoy the beauty and magic of water and explore its essential role in our environment with Ranger Susan Ford. Cedar Grove Amphitheater.

SUNDAY, AUGUST 10

- 8:00 a.m. BOOTS AND SADDLES.** Join Ranger Scott Isaacson on a horseback ride and learn about the roles horses played in the history of Kings Canyon. Reservations should be made at the pack station. Group size limited. 2 hours.
- 1:30 p.m. SIX-LEGGED SEARCH.** Explore the microhabitats of insects and other small creatures with Ranger Susan Ford. Meet at Roads End. 2 hours, 2 miles.
- 2:00 p.m. THE MAGICAL BLACK POT.** Watch Ranger Logan Carter demonstrate the historical and present use of the Dutch Oven. Cedar Grove Amphitheater. 2 hours.
- 6:00 p.m. VIOLA KANAWYER, MOUNTAIN WOMAN.** Come and meet Viola Kanawyer and hear her tales of the experiences she had while running a pack station and hotel on Copper Creek. Meet at the Cedar Grove Amphitheater. 1 hour, 1/2 mile.
- 8:00 p.m. EVENING PROGRAM.** "Bears, Bears, Bears." Watch and listen as Park Ranger Mike Chin presents a slide program on the bear-management program in Sequoia and Kings Canyon National Parks. Cedar Grove Amphitheater.

MONDAY, AUGUST 11

- 1:00 p.m. FOLLOW THE ARROW.** Have Ranger Logan Carter involve your children in the reading and use of a compass. This activity is suited for ages 8 to 12. Meet at Cedar Grove Amphitheater. 1 hour, 1 mile.
- 2:00 p.m. WET AND WILD.** Explore the banks of the Kings River with Ranger Susan Ford and learn how it shaped and influences life in Kings Canyon. Meet in front of the Cedar Grove Lodge. 2 hours, 2 miles.
- 6:00 p.m. THE MINER.** Listen as Thomas Keough tells of his adventures in constructing the trail over Kearsarge Pass. Meet at Cedar Grove Amphitheater. 1 hour, 1/2 mile.
- 8:00 p.m. EVENING PROGRAM.** "A Question of Quality." Take a look at the management of our National Parks with Ranger Ron Terry. Cedar Grove Amphitheater.

TUESDAY, AUGUST 12

- 9:00 a.m. NATURE DETECTIVES.** Join Ranger Susan Ford and explore some of nature's mysteries. Designed for children ages 6-12, accompanied by an adult. Meet at Cedar Grove Lodge. 2 hours, 1 mile.
- 11:00 a.m. WHEEL AND SPROCKET.** Use an alternative form of transportation as Ranger Logan Carter shows you some lesser-known sights of Cedar Grove. Rental bikes are available at the Cedar Grove gas station. Meet at the Cedar Grove Ranger Station. Bring your lunch. 3 hours, 6 miles.
- 1:00 p.m. SHEEP CREEK.** Ascend the Don Cecil Trail up the south wall of the Kings Canyon with Ranger Scott Isaacson. Meet at the Cedar Grove Amphitheater. 3 hours, 2 miles.
- 8:00 p.m. EVENING PROGRAM.** "Land Above the Trees." Join Ranger Scott Isaacson and explore the alpine areas of the High Sierra. Discover the specific adaptations plant and animals have made to live in the highest mountain areas. Cedar Grove Amphitheater.

WEDNESDAY, AUGUST 13

- 1:00 p.m. BACKPACKING DEMONSTRATION.** Watch and listen as Ranger Glynis Burns demonstrates what to take and how to keep your feet happy and your body warm on day hikes, overnights and extended back-country trips. Cedar Grove Amphitheater. 2 hours.
- 1:30 p.m. KANAWYER'S PLACE.** Search the Kanawyer's Flat area for the remains of an early Kings Canyon settlement with Ranger Janet Fink. Meet at Roads End. 2 hours, 2 miles.
- 2:00 p.m. BOOTS AND SADDLES.** Join Ranger Susan Ford on a horseback ride and learn about the role horses played in the history of Kings Canyon. Reservations should be made at the pack station. Group size limited. 2 hours.
- 3:00 p.m. CHILDREN'S ACTIVITY.** Join Ranger Fawn Bauer for 2 hours of activities designed for children ages 4-10. Meet at Cedar Grove Amphitheater.
- 8:00 p.m. EVENING PROGRAM.** "A Kings Canyon Pot-pourri." Ranger Glynis Burns presents a slide presentation on a trip through Kings Canyon. The program will emphasize resources, recreation and safety. Cedar Grove Amphitheater.

THURSDAY, AUGUST 14

- 9:00 a.m. HOTEL CREEK.** Join Ranger Amy Eisenberg

and climb the north wall of the Kings Canyon on the Hotel Creek Trail. Discover the various life zones along the way. Meet at the Cedar Grove Amphitheater. Bring water. 3 hours, 2 miles.

- 1:00 p.m. FIRE IN THE CANYON.** Explore old and new burned areas with Ranger Glynis Burns and learn fire's role in the natural plan. Meet at the Cedar Grove Amphitheater. 2 hours, 2 miles.
- 2:00 p.m. WET AND WILD.** Explore the banks of the Kings River with Ranger Janet Fink and learn how it shaped and influences life in the Kings Canyon. Meet in front of the Cedar Grove Lodge. 2 hours, 2 miles.
- 8:00 p.m. EVENING PROGRAM.** "Reading the Resource." Join Ranger Julie Dreher for a slide presentation on the challenge of balancing resource preservation and use in the national parks, from their origin to modern time. Cedar Grove Amphitheater.

FRIDAY, AUGUST 15

- 8:00 a.m. OUR FINE FEATHERED FRIENDS.** Join Ranger Glynis Burns for a look at some of the interesting features of the birds in Kings Canyon. Meet at Roads End. 2 hours, 2 miles.
- 9:00 a.m. CLOSE TO THE GROUND.** Ranger Janet Fink leads this nature walk designed especially for children ages 4 to 10, accompanied by an adult. Meet in front of the Cedar Grove Lodge. 2 hours, 1 mile.
- 11:00 a.m. WHEEL AND SPROCKET.** Use an alternative form of transportation as Ranger Julie Dreher shows you some lesser-known sights of Cedar Grove. Rental bikes available at the Cedar Grove gas station. Meet at the Cedar Grove Ranger Station. Bring your lunch. 3 hours, 6 miles.
- 1:00 p.m. SOUTH WALL.** With Ranger Amy Eisenberg ascend the south wall of Kings Canyon at the Don Cecil Trail. Meet at the Cedar Grove Amphitheater.
- 8:00 p.m. EVENING PROGRAM.** "The Magical Black Pot." Enjoy the fascinating history and use of the Dutch Oven from Logan Carter. Cedar Grove Amphitheater.

SATURDAY, AUGUST 16

- 9:00 a.m. NORTH WALL.** Join Ranger Janet Fink and climb the north wall of Kings Canyon on the Hotel Creek Trail. Discover the varied life zones along the way. Meet at the Cedar Grove Amphitheater. Bring water. 3 hours, 2 miles.
- 10:00 a.m. KANAWYER'S PLACE.** Meet Ranger Scott Isaacson and explore the sight of the Kanawyer's Camp and mine. Meet at Roads End. 2 hours, 1 mile.
- 1:30 p.m. PLANT WALK.** Explore the folklore and early uses for the plants of Kings Canyon with Ranger Amy Eisenberg. Meet at Roads End. 2 hours, 2 miles.
- 2:00 p.m. BACKPACKING DEMONSTRATION.** Watch and listen as Ranger Scott Isaacson demonstrates the dos and don'ts of backpacking in the High Sierras. Meet at the Cedar Grove Amphitheater. 2 hours.
- 6:00 p.m. THE ADVENTURESS.** Come and meet Mrs. Polten Coit Brown for whom Lucy's Foot Pass was named. Listen as she recounts her many adventures over high mountain passes. (Dramatization) Meet at the Cedar Grove Amphitheater. 1 hour, 1/2 mile.
- 8:00 p.m. EVENING PROGRAM.** "It's Nature's Way of Telling Us." Join Ranger Fawn Bauer and take a look at rare and endangered species and the role they play in our environment. Cedar Grove Amphitheater.

SUNDAY, AUGUST 17

- 8:00 a.m. NORTH WALL.** Join Ranger Glynis Burns and climb the north wall of Kings Canyon on the Hotel Creek Trail. Discover the varied life zones along the way. Meet at Cedar Grove Amphitheater. Bring water. 3 hours, 2 miles.
- 9:00 a.m. KANAWYER'S PLACE.** Join Ranger Julie Dreher and search for the remains of an early Kings Canyon settlement, in the Kanawyer's Flat area. Meet at Roads End. 2 hours, 1 mile.
- 1:00 p.m. WET AND WILD.** Explore the banks of the Kings River with Ranger Scott Isaacson and learn how it shaped and influences life in the Kings Canyon. Meet in front of the Cedar Grove Lodge. 2 hours, 2 miles.
- 6:00 p.m. THE CLIMBER.** Come and meet Norman Clyde, legendary Sierran mountaineer. Listen to the stories of his numerous first ascents and see why he is a most unusual character. (Dramatization). Meet at the Cedar Grove Amphitheater. 1 hour, 1/2 mile.
- 8:00 p.m. EVENING PROGRAM.** "Habitats and Habitats." Join Ranger Janet Fink and take a look at the mammals of Sequoia and Kings Canyon National Parks. Cedar Grove Amphitheater.

MONDAY, AUGUST 18

- 9:00 a.m. CLOSE TO THE GROUND.** Ranger Janet Fink leads this nature walk designed especially for children ages 4 to 10, accompanied by an adult. Meet in front of the Cedar Grove Lodge. 2 hours, 1 mile.
- 1:30 p.m. ZUMWALT MEADOW.** Discover the river, forest, and meadow environments of Zumwalt Meadow with Ranger Julie Dreher. Meet at Roads End. 3 hours, 3 miles.

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CEDAR GROVE

ACTIVITIES (continued)

6:00 p.m. VIOLA KANAWYER, MOUNTAIN WOMAN. Come and meet Viola Kanawyer and hear her tales of the experiences she had while running a pack station and hotel on Cooper Creek. Meet at the Cedar Grove Amphitheater. 1 hour, 1/2 mile.

8:00 p.m. EVENING PROGRAM. "The Magical Black Pot." Enjoy the fascinating history and use of the Dutch Oven from Ranger Logan Carter. Cedar Grove Amphitheater.

TUESDAY, AUGUST 19

8:00 a.m. BOOTS AND SADDLES. Join Ranger Logan Carter on a horseback ride and learn about the role horses played in the history of Kings Canyon. Reservation should be made at the pack station. Group size limited. 2 hours.

1:00 p.m. KANAWYER'S PLACE. Join Ranger Ron Terry and search for the remains of an early Kings Canyon settlement, in the Kanawyer's Flat area. Meet at Roads End. 2 hours, 1 mile.

1:00 p.m. THE MAGICAL BLACK POT. Watch and listen as Ranger Logan Carter demonstrates the historical and present use of the Dutch Oven. Cedar Grove Amphitheater. 2 hours.

2:00 p.m. CHILDREN'S ACTIVITIES. Join Ranger Fawn Bauer in a nature activity designed for children 4 to 10 years old. Meet at the Cedar Grove Amphitheater. 2 hours.

8:00 p.m. EVENING PROGRAM. "Reading the Resource." Join Ranger Julie Dreher for a slide presentation on the challenge of balancing resource preservation and use in the national parks from their origin to modern times. Cedar Grove Amphitheater.

WEDNESDAY, AUGUST 20

1:00 p.m. FIRE IN THE CANYON. Explore old and new burned areas with Ranger Janet Fink and learn fire's role in the natural plan. Meet at Cedar Grove Ranger Station. 2 hours, 2 miles.

3:00 p.m. TREES ARE OUR FRIENDS. With Ranger Amy Eisenberg discover the role that trees play in the environment of Kings Canyon. Meet at Cedar Grove Amphitheater. 2 hours, 2 miles.

8:00 p.m. EVENING PROGRAM. "Eighth Annual Parks Photo Contest." Prize photos, submitted by park and concession employees, will be featured. Meet at the Cedar Grove Amphitheater.

8:00 p.m. EVENING PROGRAM. "Eighth Annual Parks Photo Contest." Prize photos, submitted by park and concession employees, will be featured. Meet at the Cedar Grove Amphitheater.

SHY SQUIRREL

Although common to the Sierran parks, the northern flying squirrel remains to be one of the more elusive park residents.

Because it comes forth only under the cover of darkness and then travels about in a very quiet manner, the squirrel is difficult to detect and sightings are seldom reported.

Oddly enough, the flying squirrel does not fly — it

glides. Loose folds of skin, between the front and hind feet, serve as wings.

To move between distant trees, the squirrel climbs high into the top of one tree and leaps into space, descending rather like a glider, using its tail to control direction.

This interesting creature may build a nest high among the branches of a tree, or it may take over and remodel one that

another animal has abandoned.

An old snag is a favorite place for the squirrel to set up residence. The nest is made only to sleep in, and it will not venture outside except at night. Often more than one squirrel will occupy a nest at one time.

The flying squirrel appears to breed only in late winter. By late summer the young is able to take care of itself. Some will find a new home in a nearby hollow tree, while others will remain with the mother until she is ready to give birth to a new litter.

Lichens are the

squirrels' favorite food, but they also eat nuts, seeds, mushrooms, various fruits, berries, insects and tender tree buds.

The squirrel may invade a bird's nest to steal the eggs. It also likes meat and has been known to enter campgrounds to help itself to any meat that has been left unprotected.

The flying squirrel has a number of enemies, but few are successful. Occasionally a marten, weasel, fisher, or owl catches one, but other predators have had little success in finding this elusive park mammal.



Northern Flying Squirrel.

Sequoia Logging

(from page 1)

among the conservationists, whole groves were being destroyed at the hands of eager lumbermen.

Logging expanded so rapidly that John Muir became alarmed over the danger to the forests during his 1875 trip through the sequoia belt.

Muir contributed a series of articles for magazines and newspapers across the United States to alert the public of the national tragedy occurring in California.

In 1889, flumes were introduced as a means of transporting logs from the Sierra, previously considered by lumbermen to be an inaccessible area of land. It was this innovation that opened the way for 20 years of extensive logging in the area.

The Kings River Lumber Company built and operated the 54-mile flume, which took the timber to Sanger, a small town in the San Joaquin Valley.

This company, reorganized as the Sanger Lumber Company, logged the Converse Basin,

thought to have been the finest stand of giant sequoia in the world.

Fortunately, most of the groves did not fall before the wheels of legislation were put into action to protect the sequoias.

Danger to the Grant Grove stimulated the earliest interest in preserving the big trees. Persistent efforts by a few conservationists, including George W. Stewart, Frank J. Walker, and Tipton Lindsey, led to the establishment of the national parks now protecting these trees.

As you walk through the meadows and basins, where logging activity once abounded, huge stumps may be seen numbering in the thousands. They represent possibly the most magnificent forest that ever graced the earth.

But there, amid the charred, ancient stumps, thrive hundreds of slender young sequoias.

Nature has a miraculous way of healing itself and, perhaps in a few thousand years large, majestic trees may adorn the area once again.

SIERRA'S FRESHWATER CLAMS

By Pamela Clarke

Freshwater clams abound in the mid-elevation waters of the Sierra Nevada. Although not suggested as a tasty

addition to a bouillabaisse or recommended as the main course to your next clambake, they are a fascinating and possibly unexpected sight in the

park.

The tough muscle is rather unpalatable for human consumption, but fish often eat the clam.

The small mollusk is

commonly found in the slow-moving water of streams, and in the deeper waters of lakes and ponds.

This local resident transports itself along the sand and mud bottoms with its single muscular foot. Dragging the shell in a vertical position, it leaves a faint trail behind.

As the clam makes its way along the lake or stream bottom, it draws water into the gill chamber. This circulation of water serves a dual purpose to the clam's existence.

It is not only a means for respiration, but is also for taking in food particles. Calcium is a necessary element the clam must obtain for shell building. Often, plants which thrive in calcium-rich water provide their food.

Clams found in the local waters are quite small, 3-6 millimeters and have a dull, off-white to brown shell. The Sierran clam's close relative, Union, has a pearly and much larger shell.

The Unio clam, found in the mid-western region of the United States, is gathered for commercial use. The shells are cut and made into the "pearl" buttons used on clothing.

This interesting aquatic creature is but another facet of the park which makes it a wonderland for the curious and investigative visitor.



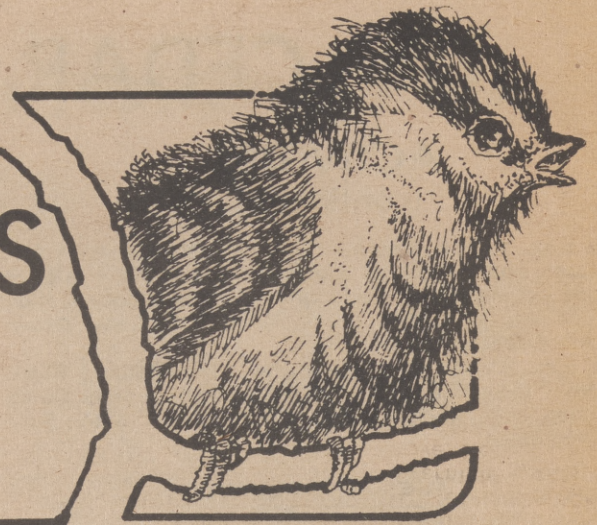
WHAT IF IT STORMS

Early summer weather in the Sierra Nevada usually can be counted on to be dry and mild. Occasional periods of fog or rain can occur, however. Generally, daytime activities will occur as scheduled regardless of weather. If you are dressed properly for the cold and damp, you will find a world of great beauty in the forests on these days.

Outdoor evening activities will be cancelled during wet weather. Indoor evening programs will continue as scheduled.

SERVICES and FACILITIES

PROVIDED BY
SEQUOIA AND KINGS CANYON HOSPITALITY SERVICE



SEQUOIA NATIONAL PARK

GIANT FOREST LODGE

Accommodations: Open all year. Facilities include a number of room types ranging from simple rustic housekeeping units without bath to deluxe cabins and motel units with bath. During winter months only with bath units are open. All lodge units are within walking distance of dining facilities and gift shops.

Reservation Office: Open all year 8:00 a.m. to 5:00 p.m. Telephone (209) 565-3373.

Lodge Dining Room and Cocktail Lounge: Open daily from mid-May through October 6th. Breakfast from 7:00 a.m. to 9:30 a.m. Dinner 5:30 p.m. to 8:00 p.m. Meals are served buffet style. Buffet includes an excellent salad bar and choice of entrees. Cocktail lounge hours from 5:30 p.m. to midnight.

Lodge Gift Shop: Open 9:00 a.m. to 8:00 p.m. Offers a selection of souvenir and handicraft items.

GIANT FOREST VILLAGE

Cafeteria: Open all year. Breakfast from 7:00 a.m. to 11:00 a.m. Lunch from 11:30 a.m. to 4:00 p.m. Dinner from 4:30 p.m. to 8:30 p.m. All items priced ala carte. Box lunches are available if requested by 6:00 p.m. the day before required.

Studio Gift Shop: Open daily May 17 through September 21, 10:00 a.m. to 6:00 p.m. Features selected handicrafts from throughout the United States including jewelry, photographs, pottery and wood creations.

Market: Open year round. Summer hours 8:00 a.m. to 8:00 p.m. Offers a varied selection of groceries, ice, camper supplies, fishing equipment and licenses and non-prescription drugs.

Cafeteria Gift Shop: Open all year. Summer hours from 9:00 a.m. to 8:00 p.m. Selected souvenirs, film and publications.

LODGEPOLE

Chevron Service Station: Located 4 miles north of Giant Forest Village. Summer hours from 8:00 a.m. to 7:00 p.m. Supreme, lowlead and unleaded gasoline. AAA road service and minor auto repair are available.

Lodgepole Market Gift Shop: Located in the center of the Lodgepole campground. Open from mid-May to September 6. Summer hours 8:30 a.m. to 7:00 p.m. Offers a wide selection of groceries, camper supplies, fishing equipment, firewood, ice and gift items.

KINGS CANYON NATIONAL PARK

GRANT GROVE

Accommodations: Open to October 25. Rustic cabins with and without private bath.

Reservations: Between May 1 and October 25 contact Grant Grove, telephone (209) 335-2314. During remainder of the year contact Giant Forest reservation office (209) 565-3373.

Coffee Shop: Open through October 26. Hours from 7:00 a.m. to 8:00 p.m.

Cocktail Lounge: Located in the Coffee Shop building. Open daily from 5:00 p.m. to 11:00 p.m.

Gift Shop: Open daily through October 26. Hours 9:00 a.m. to 7:00 p.m. Features, souvenirs, curios and selected handicrafts.

Market: Open through September 30, 8:00 a.m. to 8:00 p.m. Offers varied selection of groceries, camper supplies, fishing licenses and equipment, ice and magazines.

Chevron Service Station: Open all year. Summer hours 8:00 a.m. to 7:00 p.m. AAA road service and minor auto repair available.

CEDAR GROVE

Accommodations: Open mid-May through September. Hotel rooms with queen-size beds, air conditioning and handicapped facilities. Contact Giant Forest for reservations at (209) 565-3373.

Market: Open through September. Hours 8:00 a.m. to 8:00 p.m. Offers a varied selection of groceries, ice, camper supplies, fishing licenses and equipment.

Gift Shop: Offers a selection of souvenir and handicraft items. Hotel guest register at this location.

Snack Bar: Open from 7:00 a.m. to 8:00 p.m. Serves fast food menu for breakfast, lunch and dinner.

Gas Station: Open through September. Chevron unleaded, regular and supreme gasoline offered. AAA road service is from Grant Grove.

Showers and Bike Rentals: Public showers and bicycle rentals are available from the gas station. Hours from 8:00 a.m. to 5:00 p.m.

SEQUOIA NATIONAL FOREST

STONY CREEK

Stony Creek Village: Located adjacent to the Generals Highway midway between Giant Forest and Grant Grove. Facilities include modern motel type rooms, dining room, market, gift shop, and Chevron Service Station. Open May 12 through October 1. Also, facilities include laundry and showers.

BUS SERVICE

SEQUOIA AUTO STAGE

Daily Service, May 17 to September 14, connecting Giant Forest, Stony Creek and Grant Grove with air bus and rail terminals in Fresno.

Westbound:

Lv. Giant Forest Lodge	10:00 a.m.
Lv. Stony Creek	10:30 a.m.
Lv. Grant Grove Lodge	11:00 a.m.
Ar. Fresno (Air Terminal)	12:20 p.m.
(Amtrak)	12:45 p.m.
(Greyhound)	1:05 p.m.

Eastbound

Lv. Fresno (Greyhound)	2:45 p.m.
(Amtrak)	2:55 p.m.
(Air Terminal)	3:15 p.m.
Ar. Grant Grove	4:55 p.m.
Ar. Stony Creek	5:20 p.m.
Ar. Giant Forest Lodge	6:00 p.m.

GIANT FOREST MOTOR TOUR

Daily Service May 17 through September 13. Two tours daily of the Giant Forest grove of the giant sequoia. Morning tour departs 7:45 a.m.; evening tour departs 6:00 p.m. Includes Sherman Tree, Moro Rock, and Crescent Meadow.

KINGS CANYON MOTOR TOUR

Daily Service May 17 through September 13. One tour daily departing Giant Forest Lodge at 10:00 a.m. Returns to Lodge at 5:30 p.m. Includes General Grant Grove, Kings River Canyon and Cedar Grove.

BUS RESERVATIONS

Bus reservations can be made at the Giant Forest Lodge Reservation Office (209-565-3373) or at other Sequoia and Kings Canyon Hospitality Service hotel desks in Kings Canyon National Park and Sequoia National Forest. Bus tours operation subject to minimum sign up requirement.

ADDITIONAL SERVICES

WILSONIA LODGE: Located within Wilsonia Village, 1 mile from Grant Grove Visitor Center. Accommodations, dining room, general store. Telephone (209) 335-2310.

SILVER CITY STORE AND CABINS: Located on Mineral King Road 4 miles west of Mineral King Ranger Station. Housekeeping cabins, meal service, groceries. Telephone Silver City No. 2.

U.S. POSTAL SERVICE

U.S. Post Offices are located at Lodgepole (Sequoia National Park, CA. 93262) and at Grant Grove (Kings Canyon National Park, CA. 93633). The Kings Canyon Post Office is only open during the summer.

LIBRARY

The Tulare County Free Library maintains circulating branches at the Lodgepole Visitor Center in Sequoia National Park and at the Grant Grove Visitor Center in Kings Canyon National Park. Employees and visitors alike are welcome to borrow books. Check locally for hours.

INFORMATION BY PHONE

Recorded current information message
(209) 565-3351 (Park Headquarters)
(415) 556-6030 (San Francisco)
(213) 688-2902 (Los Angeles)

EMERGENCY NUMBERS

Sequoia National Park (Ash Mountain)
565-3341
If no answer call 565-3326
Fire only 565-3444
Sequoia National Park (Giant Forest-Lodgepole)
565-3361
If no answer call 565-3455
Fire only 565-3618
Kings Canyon National Park (Grant Grove)
335-2511
If no answer call 335-2324
Fire only 335-2515
Kings Canyon National Park (Cedar Grove)
Cedar Grove No. 6
If no answer Cedar Grove No. 7 or No. 8
Sequoia National Forest
Hume Lake District Ranger Office
338-2251

CHURCH SERVICES

CHURCH OF THE SEQUOIAS — Interdenominational

Sundays
Giant Forest Lodge Fire Circle 9:30 a.m.
Giant Forest Beetle Rock 6:30 p.m.
Lodgepole Amphitheater 9:30 a.m. 6:30 p.m.
Dorst Amphitheater 9:30 a.m.
Stony Creek Picnic Area 9:30 a.m.
Cedar Grove Amphitheater 9:30 a.m. 6:30 p.m.
Grant Grove Amphitheater 10:30 a.m. 6:30 p.m.
Silver City — Cabin Area 10:30 a.m.

EPISCOPAL

Camp San Joaquin 8:00 a.m.
(2 miles north of Stony Creek) 11:00 a.m.

SEVENTH DAY ADVENTIST

Grant Grove Amphitheater
Sabbath School (Saturday) 10:00 a.m.
Worship (Saturday) 11:15 a.m.

CHURCH OF JESUS CHRIST OF LATTER DAY SAINTS

Giant Forest Lodge Fire Circle
Priesthood Meeting 12:30 p.m.
Sacrament Meeting 1:45 p.m.

PACK STATIONS

Sequoia National Park

WOLVERTON CORRALS. Scenic guided rides; overnight trips by arrangement. Telephone 565-3445. MINERAL KING PACK STATION. Scenic guided rides; overnight trips by arrangement. Telephone Mineral King No. 4.

Kings Canyon National Park

KINGS CANYON PACK STATION. Located at Cedar Grove. Scenic guided rides; overnight trips by arrangement. Telephone Cedar Grove No. 1. GRANT GROVE STABLES. Scenic guided day rides only. Telephone 335-2374.

HIGH SIERRA STAGE

This service, geared to the recreational travel needs of visitors, is designed to transport persons to wilderness trailheads in the Southern Sierra Nevada. For further information and reservations call The Rucksack in Visalia (209) 732-4404.

THE SEQUOIA BARK is provided as a service to Park Visitors. All comments and suggestions are welcome.
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